IN THE CLAIMS

 (Previously Presented) A method for ring-trip detection in a line card, comprising:

using an analog-to-digital converter for processing voice signals;

receiving a ringing control signal;

transmitting a ringing signal to a subscriber line in response to the ringing control signal;

receiving a portion of the ringing signal from the subscriber line;

converting the portion of the ringing signal to a digital signal using the digital-to-analog

converter; and

providing a ring-trip indication in response to the digital signal.

- (Original) The method of claim 1, wherein the ringing signal comprises an AC signal.
- (Original) The method of claim 1, further including terminating the ringing signal in response to the ring-trip indication.
 - 4. 6. Cancelled.
 - (Currently Amended) An apparatus, comprising:

first circuitry comprising an analog-to-digital converter that is employed for processing

of voice signals and for DC feed control;

a ringing generator eapable offer providing a ringing signal to a subscriber line in

response to receiving a ringing control signal;

second circuitry eapable of for receiving at least a portion of the ringing signal from the subscriber line and delivering the portion of the ringing signal to the analog-to-digital converter of the first circuitry, wherein the analog-to-digital converter converts the portion of the ringing signal to a digital signal; and ring-trip detection logic eapable of for providing a ring-trip indication in response to the digital signal.

- (Currently Amended) The apparatus of claim 7, further including third circuitry
 capable of for terminating the ringing signal in response to the ring-trip indication.
 - 9. (Currently Amended) An apparatus, comprising:
 - a feedback path having an input and output terminal, the feedback path including an analog-to-digital converter for processing voice signals;
 - a switch eapable offor coupling the input and output terminal of the feedback path in response to receiving a control signal; and
 - a ringing generator eapable of for providing a ringing signal to a subscriber line in response to the control signal.
- (Currently Amended) The apparatus of claim 9, further including circuitry eapable offor:

receiving at least a portion of the transmitted ringing signal from the subscriber line; and delivering the portion of the received ringing signal to the input terminal of the feedback path.

- (Previously Presented) The apparatus of claim 10, wherein the analog-to-digital converter of the feedback path converts the received ringing signal to a digital signal.
- (Original) The apparatus of claim 11, further including ring-trip detection logic, wherein the ring-trip detection logic generates a ring-trip detection indication in response to the digital signal.
 - 13. (Currently Amended) A line card, comprising:

a subscriber line interface circuit eapable offor:

receiving a voice signal from the subscriber line;

delivering a ringing signal to the subscriber line; and

receiving at least a portion of the transmitted signal from the subscriber line; and

a digital signal processor eapable offor:

processing the voice signal using an analog-to-digital converter;

converting the portion of the ringing signal to a digital signal using the analog-to-

digital converter; and

providing a ring-trip indication in response to the digital signal.

- (Original) The line card of claim 13, wherein the subscriber line integrated circuit is a voltage subscriber line interface circuit.
- (Currently Amended) The line card of claim 14, wherein the subscriber line interface circuit is eapable offer receiving a data signal in a frequency band above voice signals.

- (Previously Presented) The line card of claim 14, wherein the digital signal processor provides a ring-trip indication based on a power of the digital signal over a selected interval
 - 17. (Original) The line card of claim 14, wherein the ringing signal is an AC signal.
- (Previously Presented) An apparatus for ring-trip detection, the apparatus comprising:

means for using an analog-to-digital converter for processing voice signals;

means for using the analog-to-digital converter for DC feed control;

means for receiving a ringing control signal;

means for transmitting a ringing signal to a subscriber line in response to the ringing control signal;

means for receiving a portion of the ringing signal from the subscriber line;

means for converting the portion of the ringing signal to a digital signal using the analogto-digital converter; and

means for providing a ring-trip indication in response to the digital signal.

19. (Previously Presented) A method, comprising:

processing a signal received over a subscriber line by one or more components in a first path, the first path having an input terminal and an output terminal;

receiving a control signal;

coupling the input and the output terminal of the first path in response to receiving the control signal: and

providing a ringing signal to the subscriber line responsive to the control signal.

 (Previously Presented) The method of claim 19, wherein the first path is a voice path, and wherein processing the signal comprises processing a voice signal received over the

 (Previously Presented) The method of claim 19, wherein the first path is a loop supervision path, and wherein processing the signal comprises processing a DC signal received over the subscriber line.

(Previously Presented) An apparatus, comprising:

subscriber line

means for processing a signal received over a subscriber line by one or more components in a first path, the first path having an input terminal and an output terminal; means for receiving a control signal:

means for coupling the input and the output terminal of the first path in response to receiving the control signal; and

means for providing a ringing signal to the subscriber line responsive to the control signal.

- (Previously Presented) The method of claim 1, further comprising using the analog-to-digital converter for DC control.
- 24. (Previously Presented) The line card of claim 13, wherein the digital signal processor further uses the analog-to-digital converter for DC feed control.